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(54) **PRESBYOPIA-CORRECTING IOL USING CURVATURE CHANGE OF AN AIR CHAMBER**

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See application file for complete search history.

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(57) **ABSTRACT**

An accommodative intraocular lens (IOL) system is disclosed for insertion into an eye to provide accommodative vision, the system including a deformable air chamber filled with a transparent, low refractive index medium disposed between the first and second optics; and at least one haptic connected to the air chamber and configured to facilitate a change in the curvature of at least one surface of the chamber, such that when the lens system is positioned in an eye, ciliary muscle movements can alter the curvature of the air chamber and vary the overall lens power of the system.

8 Claims, 3 Drawing Sheets

